

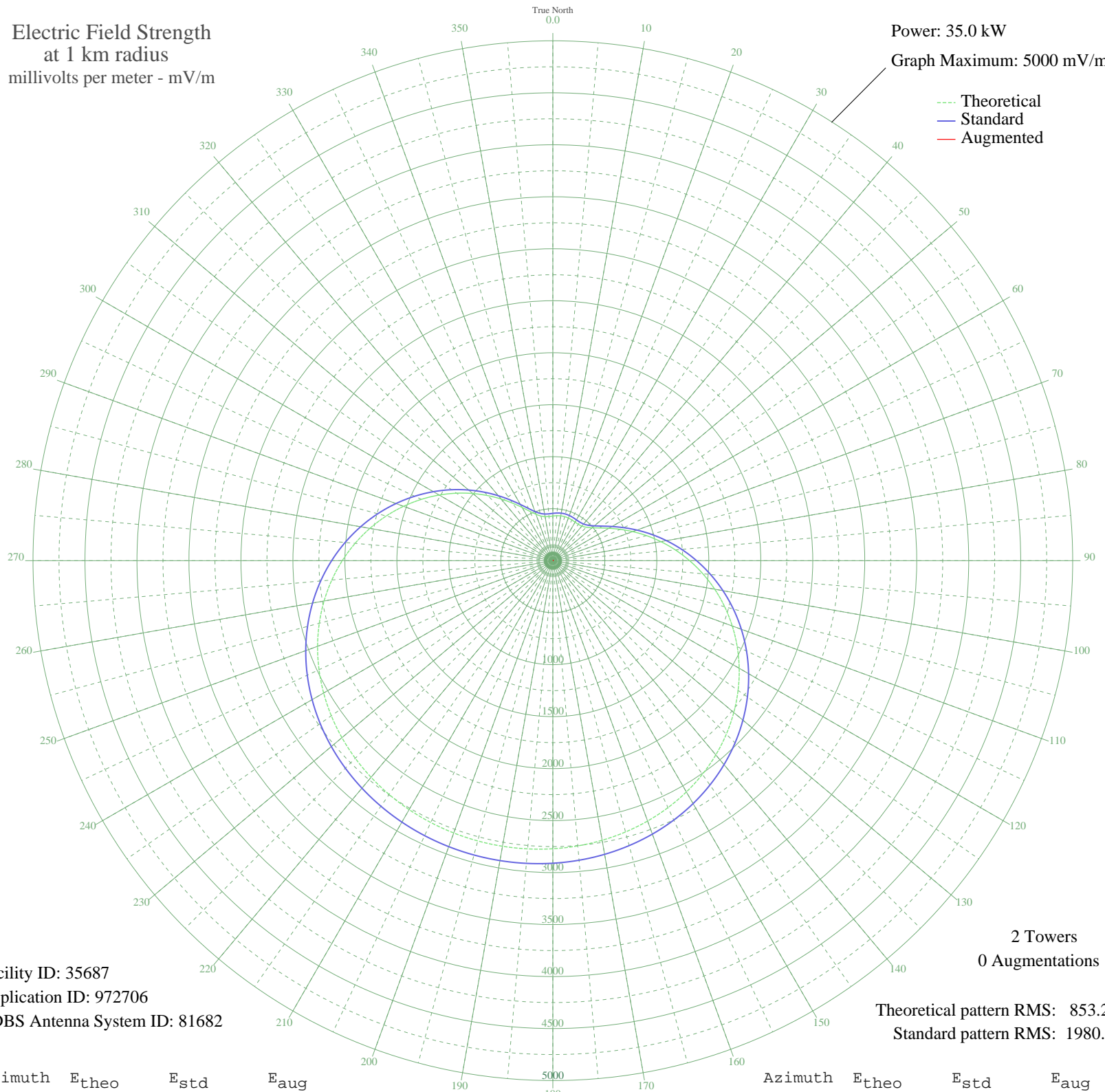
# KIHU MAGNA, UT BMJP-20040126AQD 1010 kHz

## Critical Hours

Electric Field Strength  
at 1 km radius  
millivolts per meter - mV/m

Power: 35.0 kW  
Graph Maximum: 5000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 35687  
Application ID: 972706  
CDBS Antenna System ID: 81682

2 Towers  
0 Augmentations

Theoretical pattern RMS: 853.23  
Standard pattern RMS: 1980.29

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	429.16	454.88	
5	433.93	459.84	
10	437.64	463.70	
15	438.60	464.70	
20	436.42	462.43	
25	432.01	457.84	
30	427.60	453.25	
35	426.78	452.40	
40	434.22	460.14	
45	454.80	481.56	
50	492.33	520.67	
55	548.51	579.27	
60	622.79	656.87	
65	713.20	751.43	
70	817.13	860.23	
75	931.85	980.41	
80	1054.74	1109.21	
85	1183.34	1244.06	
90	1315.34	1382.50	
95	1448.59	1522.28	
100	1581.07	1661.29	
105	1710.97	1797.60	
110	1836.64	1929.47	
115	1956.64	2055.41	
120	2069.78	2174.16	
125	2175.11	2284.71	
130	2271.93	2386.33	
135	2359.79	2478.56	
140	2438.50	2561.18	
145	2508.08	2634.21	
150	2568.73	2697.88	
155	2620.81	2752.55	
160	2664.80	2798.72	
165	2701.24	2836.98	
170	2730.71	2867.92	
175	2753.76	2892.11	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	2770.90	2910.11	
185	2782.56	2922.34	
190	2789.03	2929.14	
195	2790.52	2930.70	
200	2787.05	2927.06	
205	2778.53	2918.12	
210	2764.72	2903.63	
215	2745.27	2883.21	
220	2719.72	2856.38	
225	2687.53	2822.59	
230	2648.14	2781.24	
235	2600.97	2731.73	
240	2545.52	2673.52	
245	2481.33	2606.14	
250	2408.12	2529.29	
255	2325.74	2442.81	
260	2234.25	2346.79	
265	2133.96	2241.52	
270	2025.42	2127.59	
275	1909.40	2005.83	
280	1786.98	1877.35	
285	1659.43	1743.51	
290	1528.29	1605.91	
295	1395.27	1466.35	
300	1262.27	1326.84	
305	1131.36	1189.55	
310	1004.76	1056.82	
315	884.83	931.15	
320	774.11	815.18	
325	675.26	711.74	
330	591.01	623.66	
335	523.79	553.48	
340	475.12	502.73	
345	444.70	471.05	
350	429.93	455.68	
355	426.39	452.00	

The theoretical pattern is used to create the standard pattern. Augmentations (if any) expand the standard pattern in specified directions. See Sections 73.150 and 73.152 of the FCC's Rules.

AM coverage may not mirror the pattern shown here. Additional factors such as ground conductivity or skywave propagation affect how far the AM signal will travel.

Patterns for stations outside the USA are based on notified parameters.

AM directional patterns created before 1982 used units of 1 mV/m at 1 mile, not one kilometer. The pattern values on such plots at 1 mile will be 0.62137 of the values listed here. Measured pattern values may vary from values shown here.

Plot is best printed on 11" by 17" or larger paper.

10 Nov 2011

Prepared by Audio Division, Media Bureau  
Federal Communications Commission